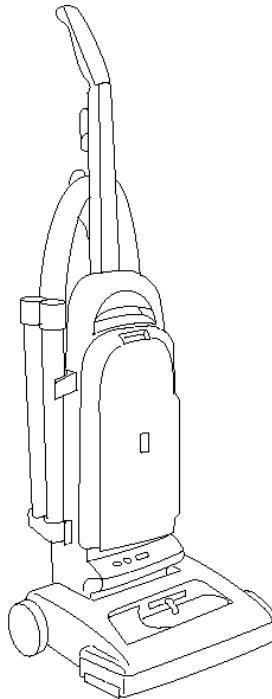


WindTunnel™ by HOOVER



Review this
manual before
operating cleaner

Index

Assembling Cleaner.....	2-4
Cleaner Descriptions	4
How To Use	
Embedded Dirt FINDER™ Feature ...	5
Cleaning Tools	7
Upright Cleaner.....	4-6
If You Have a Problem	11
Important Safeguards.....	1
Lubrication.....	11
Maintenance	
Authorized Service	11
Cleaning Filters.....	8
Clearing Blockages	10
Replacing Agitator.....	10
Replacing Belt.....	9-10
Replacing Edge Groomers.....	10
Replacing Headlight	9
Replacing Filter Bag	7-8
Thermal Protector	10
Unpacking Cleaner.....	2
Warranty.....	11

Owner's Manual

ENGLISH → pp. 1-11

ESPAÑOL → págs. 12-17

FRANÇAIS → p. 18-23



Thank you for selecting a HOOVER® product

This cleaner was inspected and packaged carefully before being shipped from the factory. If you should happen to need assistance during assembly or operation, call

1-800-944-9200 for an automated referral of authorized service outlet locations (U.S. only) or

1-330-499-9499 to speak with a representative in our Consumer Response Center.

DO NOT RETURN THIS PRODUCT TO THE STORE.

Important Safeguards!

When using an electrical appliance, always follow basic precautions, including the following:

READ ALL INSTRUCTIONS BEFORE USING THIS APPLIANCE

Warning:

To reduce the risk of fire, electric shock, or injury:

- Do not use outdoors or on wet surfaces.
- Close supervision is necessary when any appliance is used by or near children. Do not allow vacuum cleaner to be used as a toy or to run unattended at any time.
- Keep hair, loose clothing, fingers, feet and all parts of body away from openings, rotating agitator and other moving parts. Do not operate cleaner in bare feet or when wearing open toe shoes or sandals.
- Do not pick up anything that is burning or smoking, such as cigarettes, matches, or hot ashes.
- Do not use to pick up flammable or combustible liquids such as gasoline or use in areas where they may be present.
- Avoid picking up hard, sharp objects with the cleaner. They may damage the cleaner and the bag.
- Always turn off this appliance before connecting or disconnecting hose.
- Do not use without dust bag or filters in place. Change bag frequently when picking up very fine materials such as powder.
- Use extra care when cleaning on stairs.
- Do not put any object into openings. Do not use with any opening blocked; keep free of dust, lint, hair, or anything that may reduce air flow.
- Do not pull or carry by cord, use cord as a handle, close door on cord or pull cord around sharp edges or corners. Do not run appliance over cord. Keep cord away from heated surfaces.
- Always disconnect cord from electrical outlet before servicing the cleaner.
- Unplug cleaner when not in use. Turn off all controls before unplugging.
- Do not unplug by pulling on cord. To unplug, grasp the plug, not the cord. Never handle plug or appliance with wet hands.
- The use of an extension cord is not recommended.
- Do not use with damaged cord or plug. If appliance is not working as it should, has been dropped, damaged, left outdoors, or dropped into water, take it to a Hoover Factory Service Center or Authorized Hoover Warranty Service Dealer (Depot).
- Use vacuum cleaner only for its intended use as described in the instructions. Use only attachments recommended by The Hoover Company; others may cause hazards.

Save these instructions!



Assembling cleaner

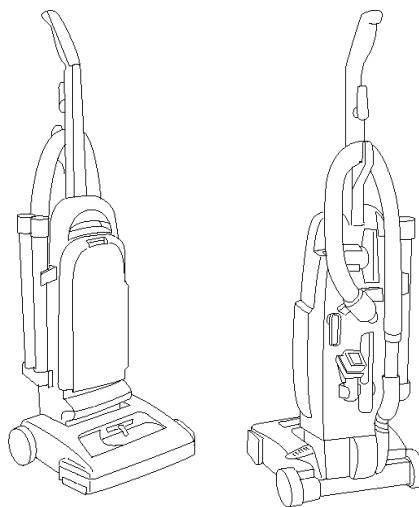
It is extremely important to read and follow all instruction steps in order.

The assembled cleaner will look like this drawing.

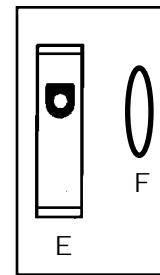
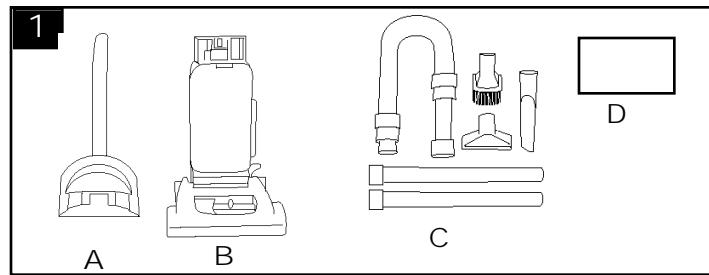
If you need assistance with any step of the assembly, call **1-800-944-9200** for an automated referral of service outlet locations (U.S. only) or

1-330-499-9499 to speak with a representative in our Consumer Response Center.

This cleaner is intended for household use.



STEP 1 Unpack carton



1 Remove all parts from carton and identify each item shown.

Make sure all parts are located before disposing of packing.

- A. Handle section
- B. Cleaner body
- C. Hose, cleaning tools and wands
- D. Handle bolts and nuts packet
(in bag with owner's manual)

Not required for assembly:
E. Extra filter bag (one already installed in cleaner)
F. Extra belt (one already installed in cleaner)

Fill in and retain

The model and serial number are located on the bottom of the cleaner as shown.

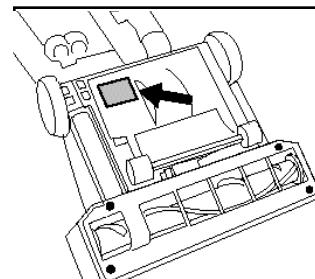
For your personal records, please enter the **COMPLETE** model and serial number in the spaces provided and retain this information.

Your cleaner is model _____

and has serial number _____

It is suggested that you attach your sales receipt to this owner's manual. Verification of date of purchase may be required for warranty service of your HOOVER product.

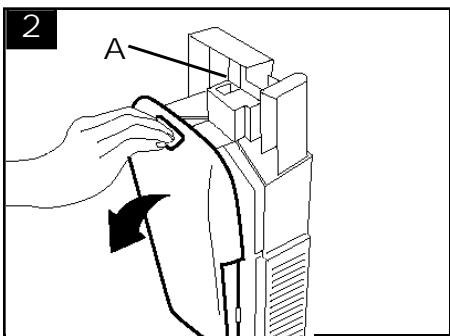
Be sure to fill out and return the product registration card included with your cleaner.



Example

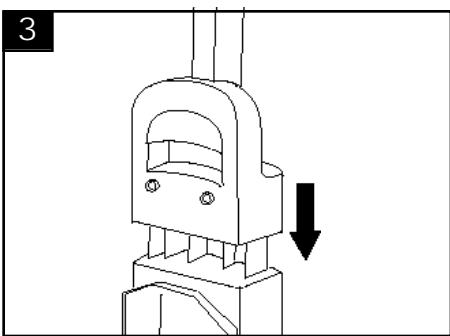


STEP II Attach handle

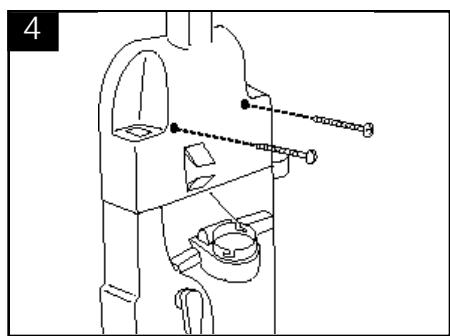


2 Remove bag door on cleaner body by pushing down at top of door and pulling door outward.

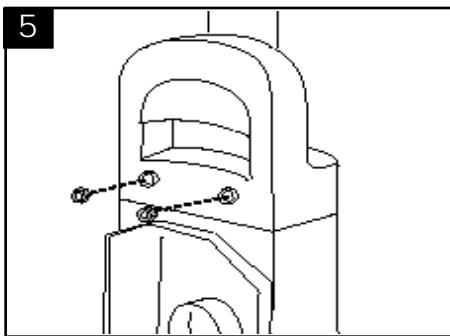
Switch (A) above bag door should be in OFF position.



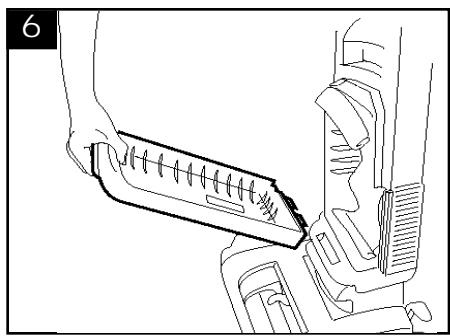
3 Slide handle onto cleaner body.



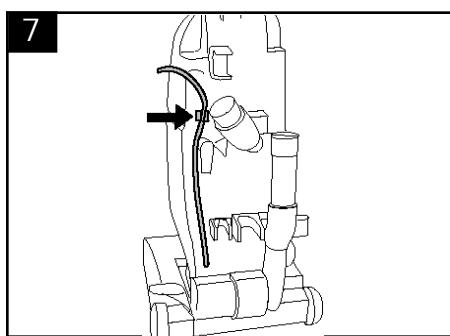
4 Push bolts into holes on back of handle.



5 Place nuts in recessed areas on front of handle. Hold each nut in place while tightening each bolt securely with a Phillips screw driver.



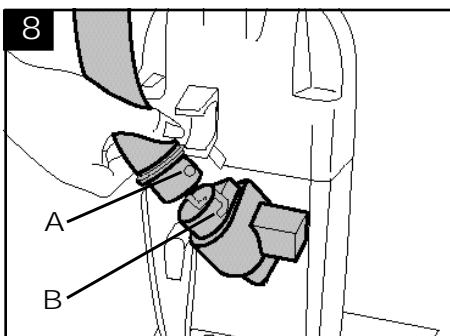
6 Reposition bag door by fitting tabs on bottom of door into opening. Press top of door to snap securely shut.



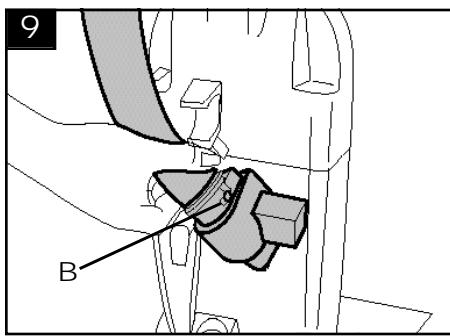
7 Position cord on back of cleaner as shown and press cord into clip.

STEP III Attach hose

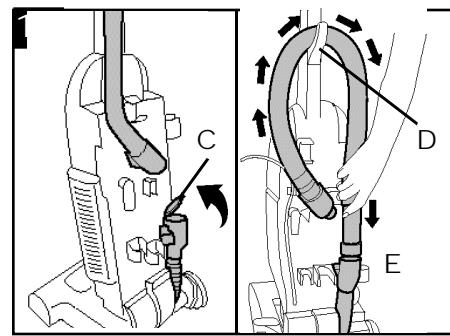
Note: Hose must be connected as shown for all operations



8 Align end of hose with projections (A) over slots (B) in dirt duct.

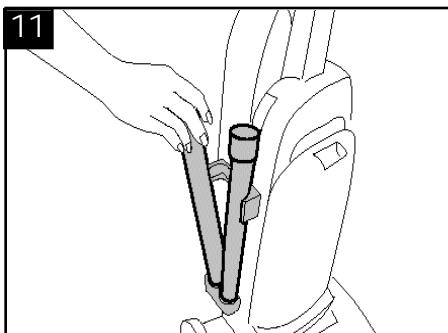


9 Slide hose into (B) and twist hose to lock it into place.

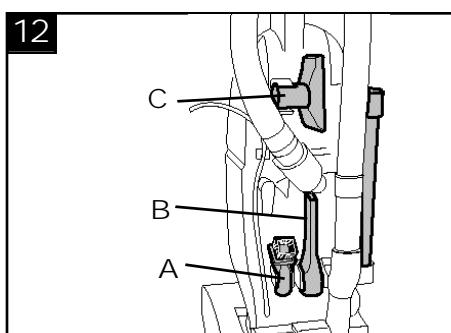


10 Lift hose tube cover (C). Position hose over hose hook(D) and into hose tube (E).

STEP IV Position tools

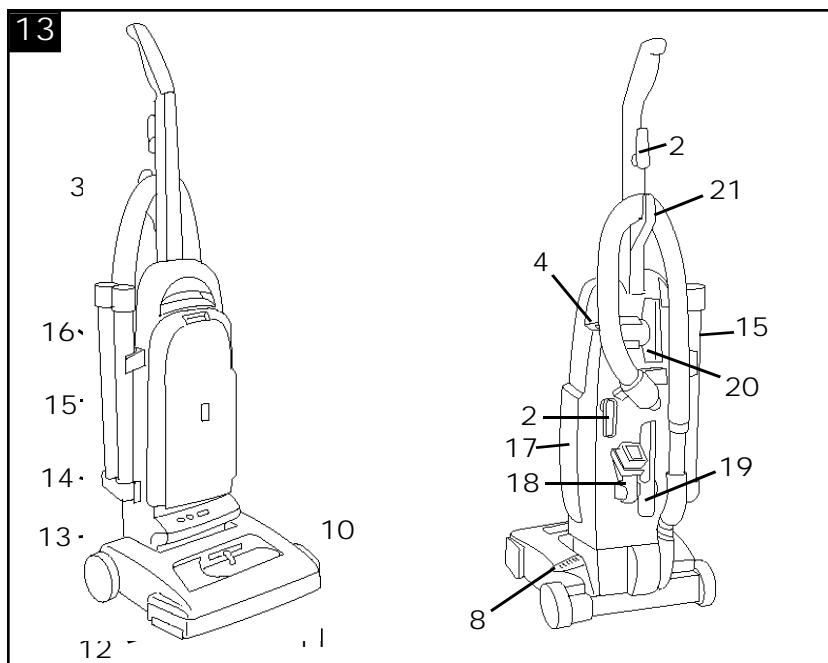


11 Place smaller unridged end of wand, into bottom of rack. Snap wand into clip. Repeat with other wand.



12 Snap ends of dusting brush (A), crevice tool (B) and furniture nozzle (C) into clips as shown.

Cleaner description



13

- 1. Handle**
- 2. Cord hooks:** wrap cord around hooks for storage. The top hook can be rotated right or left for easy cord release.
- 3. Hose**
- 4. ON/OFF switch:** located on left rear corner of cleaner body
- 5. Carrying handle**
- 6. Bag door**
- 7. Stair cleaning handle:** located on lower edge of bag door
- 8. Handle release lever:** step on lever to lower handle to operating or low positions.
- 9. Headlight***
- 10. Nozzle control knob:** slide knob to correct setting for height of carpet being cleaned.

- 11. Furniture guard:** helps prevent cleaner from marking furniture.
- 12. Edge groomers**
- 13. Embedded Dirt FINDER™ display***
- 14. 'Dirt FINDER' sensitivity switch***
- 15. Wands**
- 16. Check bag indicator***
- 17. Final filter exhaust**
- 18. Dusting brush**
- 19. Crevice tool**
- 20. Furniture nozzle**
- 21. Hose hook**

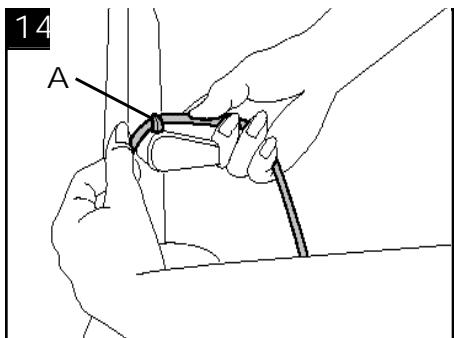
*some models only

The assembled cleaner will look like the drawing above.

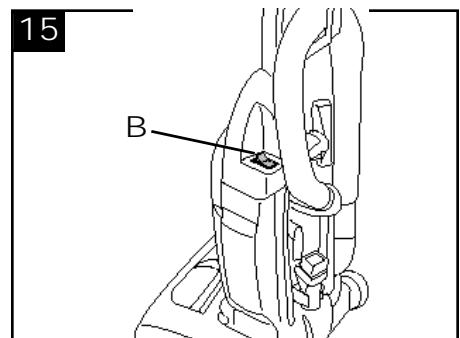
Operate cleaner only at voltage specified on data plate on bottom of cleaner.

How to use

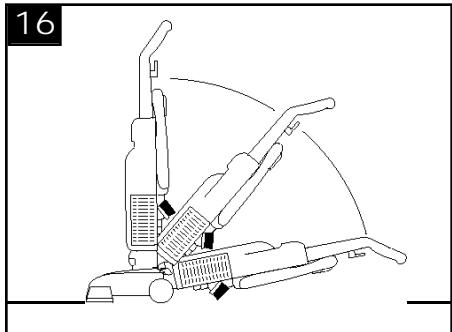
To reduce the risk of electric shock, this appliance has a polarized plug (one blade is wider than the other). This plug will fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician to install the proper outlet. Do not change the plug in any way.



14 To help keep the cord out of the way while vacuuming, position cord down into cord clip (A) located between top cord hook and handle.

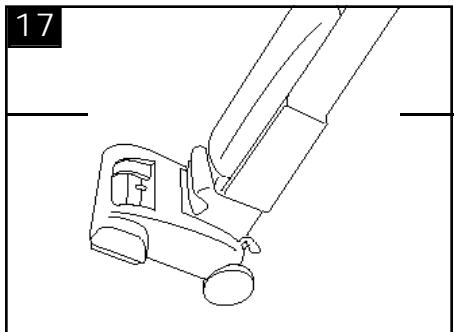


15 Plug cord into electrical outlet. To turn cleaner ON, push switch (B) toward front of cleaner. To turn cleaner OFF, push (B) toward back of cleaner.



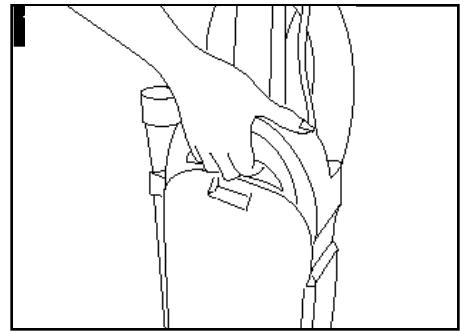
Handle positions

16 The handle of your cleaner has three positions; **upright** for storage and when using cleaning tools; **operating position** for general operation on carpet and floors; **low** for reaching under low furniture. Step on handle release lever to lower handle.

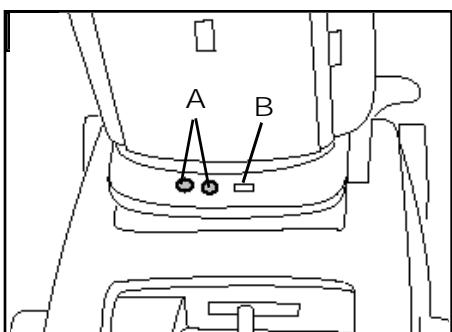


Transporting cleaner

17 To move your cleaner from room to room, put handle in upright position, tilt cleaner back on rear wheels and push forward.



18 The cleaner can also be moved by using the carrying handle.



Embedded Dirt FINDER™ feature (some models only)

19 With red and green lights (A), the 'Dirt FINDER' system alerts the user to areas of carpet that may need more cleaning attention. It is able to sense when larger amounts of dirt particles, especially embedded dirt, are removed.

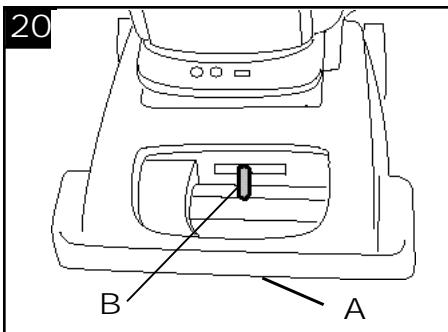
To let you know that the 'Dirt FINDER' feature is ready the red light will come on when the cleaner is first turned on. After a few seconds, the red light will go off and the **green light** will come on. **Cleaning may then begin.**

The **green light will remain on** throughout cleaning **except** when the detector senses that a **larger amount of dirt** is being picked up; then the **red light** will come on.

When the **red light** is on, you should **take additional cleaning strokes** in the area until it changes to green.

- The red light may seldom come on during cleaning. This means that your cleaner is picking up primarily fine surface dust and lint which the system may not detect, or that the carpet is generally clean. **To increase** the feature's **sensitivity to dirt**, set the switch (B) to the "Hi" position.

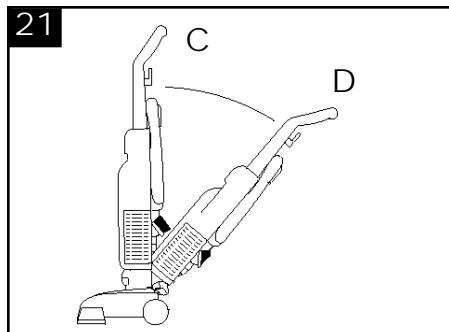
- At other times, the red light may stay on for a considerable amount of time. This means that the carpet contains a high level of dirt which is being removed by the cleaner. **To decrease** the feature's **sensitivity to dirt**, set the switch to the "Reg." (Regular) position.



Carpet height adjustment

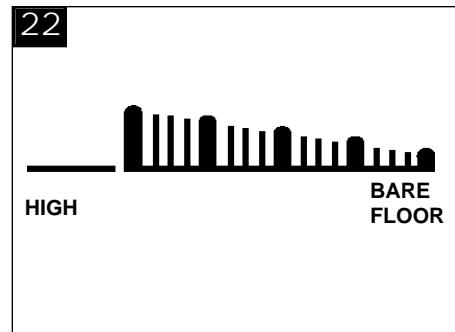
20 The cleaning of carpet and rugs takes place at the nozzle (A).

When it is necessary to raise and lower the nozzle for various carpet pile heights, slide the nozzle control knob (B) to the desired setting.



21 For ease in sliding knob, the handle should be in the upright position (C).

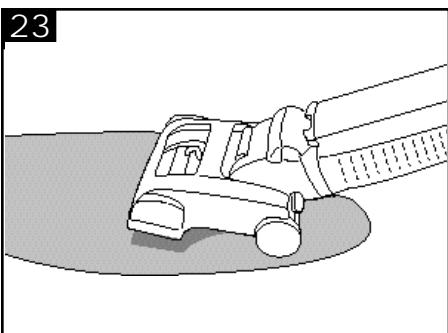
The nozzle will not move into the adjusted position until the cleaner handle is lowered to the operating position (D).



22 For maximum cleaning performance, the following carpet height settings are recommended.

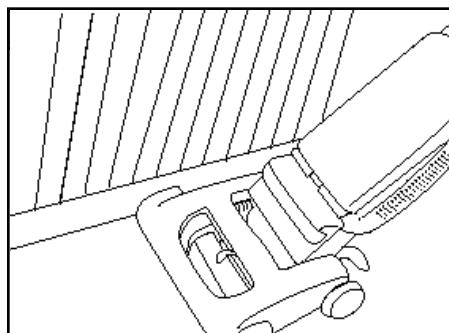
- Lowest setting: for all types of carpet
- Higher settings: for very deep pile carpet where easier pushing effort is desired, while maintaining good cleaning performance.

Note: If the cleaner is difficult to push, slide knob to the next higher setting.



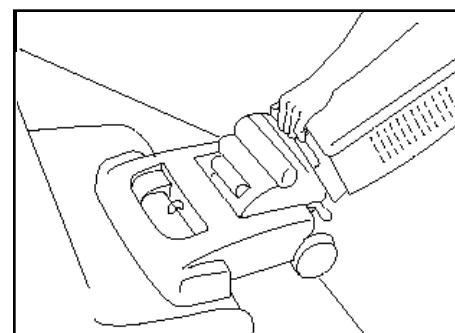
Cleaning lightweight flexible rugs

23 Stand on one end of rug and move cleaner toward other end or edge. Before reaching edge, push down on handle. This will lift up the nozzle (front of cleaner) as shown and will prevent rug from clinging to cleaner. Continue to lift up nozzle so that when you have reached the edge, it is completely off the rug. Move cleaner back to start again, lower nozzle, and use only forward strokes.



Edge cleaning

24 Special edge groomers are provided on both sides of the nozzle to remove dirt in carpet near baseboards and furniture. Guide either side of nozzle parallel to edge of carpet or furniture.



Stair cleaning

25 A stair cleaning handle has been designed for ease in using your cleaner on stairs. With handle in operating position, place fingers under edge of stair cleaning handle and guide cleaner with other hand on upper handle.

As an alternative, you may use the hose and furniture nozzle for stair cleaning. Clean from bottom to top.

When using cleaning tools, the agitator will continue to rotate.

CAUTION: To avoid personal injury or unnecessary wear to carpet, and to prevent the cleaner from falling, always place it at bottom of stairs.

Cleaning tools

Tools allow for cleaning surfaces above the floor and for reaching hard to clean areas.

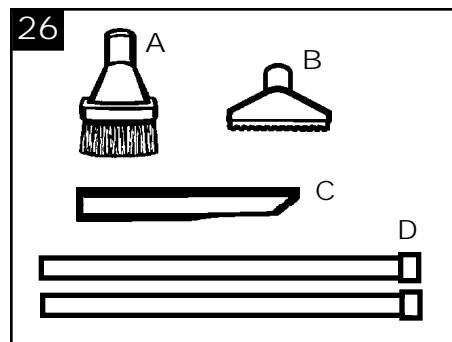
The cleaner is ready for tool use when handle is in upright position.

CAUTION: Agitator continues to rotate while cleaner handle is in upright position. Avoid tipping cleaner or setting it on furniture, fringed area rugs or carpeted stairs during tool use.

How to clean tools

To clean the hose, wipe off dirt with a cloth dampened in a mild detergent. Rinse with a damp cloth.

Cleaning tools may be washed in warm water with a detergent. Rinse and air dry before using.



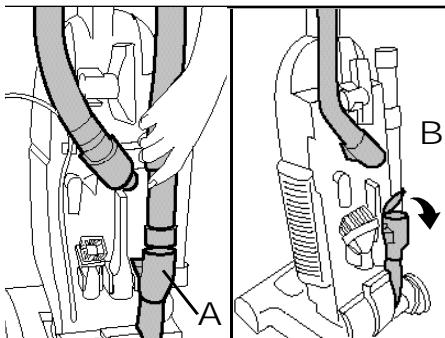
Select proper tool

26 A. Dusting brush may be used for carved furniture, table tops, books, lamps, lighting fixtures, venetian blinds, baseboards, shutters, and registers.

B. Furniture nozzle may be used for upholstered furniture, draperies, mattresses, clothing, automobile interiors, and carpeted stairs.

C. Crevice tool may be used in tight spaces, corners and along edges in such places as dresser drawers, upholstered furniture, stairs and baseboards.

D. Wands are used to give extra length to your hose. Use them with any of the above tools.



Attach wand and tools

When using cleaning tools, cleaner handle should be in the upright position. Also, turn cleaner OFF before disconnecting and connecting hose to hose tube (A).

27 To use hose, lift hose end as shown.

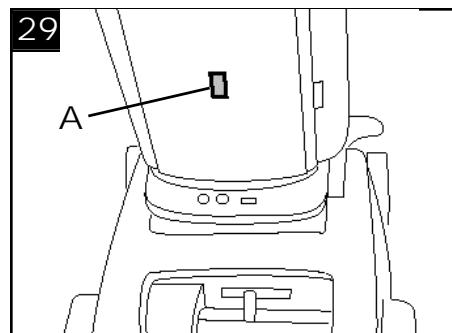
Maintenance

Familiarize yourself with these home maintenance tasks as proper use and care of your cleaner will ensure continued cleaning effectiveness.

The filter bag

When to replace

Check filter bag from time to time. It is recommended that you change the filter bag when dirt reaches the dotted line. If more dirt than this accumulates, your cleaner will not operate effectively.



29 For models with "Check Bag" indicator (A), the indicator will begin to show red as filter bag fills with dirt. There are three conditions that will cause the indicator to become completely red:

1. The bag is full; change the bag.
2. Very fine materials have been picked up, clogging the bag pores; change the bag.

3. There is a blockage the nozzle, hose, tools or at the bag opening; remove the blockage ("Clearing blockages" p. 10).

CAUTION: Very fine materials, such as face powder, cornstarch, fireplace ashes or fireplace soot, may seal the filter bag and may cause it to burst even though it is only partially full of dirt. When cleaner is used to remove material of this nature, change filter bag often.

Continued →

Where to buy

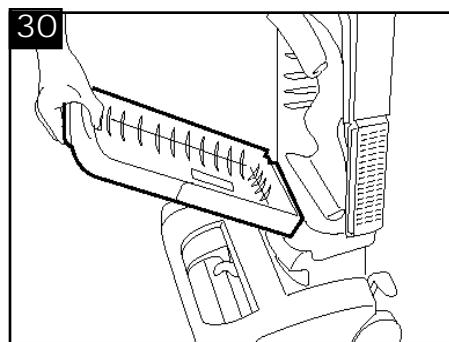
Filter bags may be purchased from your Authorized Hoover Dealer (Depot) or from a Hoover Factory Service Center. **When ordering filter bags, be sure to give the model number of your cleaner.**

What to buy

To assure cleaning effectiveness, use only Genuine HOOVER® Allergen Filtration Type Y disposable filter bags.

To assure that your cleaner operates at peak performance, it is imperative that you use only genuine HOOVER filter bags made by The Hoover Company.

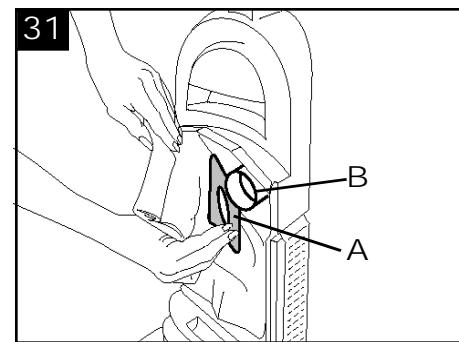
HOOVER bags can be identified by these trademarks —



How to replace

Disconnect cleaner from electrical outlet.

30 To change filter bag, push down at top of bag door and pull door forward. Remove door.



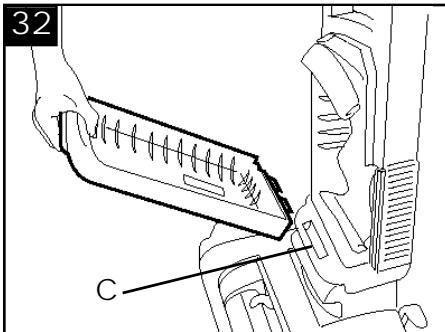
31 Grasp filter bag collar (A) and pull collar from tube (B).

Note: Do not clean out old filter bag and reuse. Discard used filter bag.

Hold new filter bag as shown. Align opening in filter bag with (B).

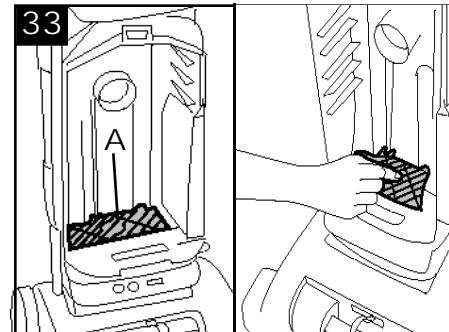
Push (A) firmly onto (B).

Tuck in filter bag.



32 Reposition bag door by placing tabs on bottom of door into opening (C).

Press top of door to snap securely shut.



The secondary and final filters

How to clean

Disconnect cleaner from electrical outlet.

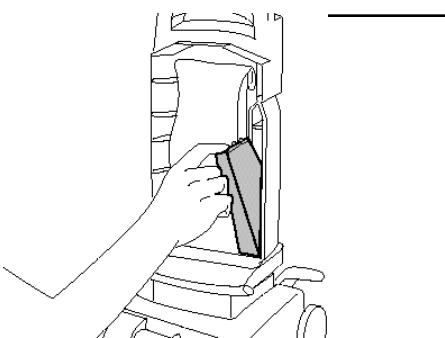
33 The **secondary filter (A)**, located behind the grill in the bottom of bag compartment, protects the motor from dirt particles.

If filter becomes dirty, pull off grill and lift out filter.

Hand wash filter in cold water with mild detergent, then air dry.

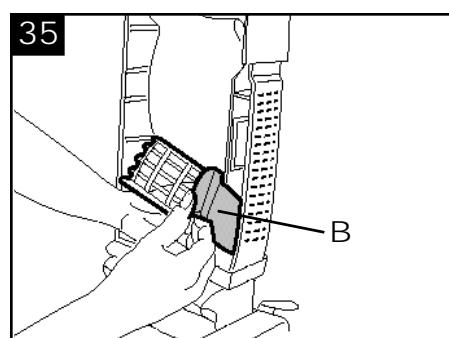
Reposition dry filter and grill.

Should you want to replace this filter, ask for HOOVER part **No. 38765019**.



34 The **final filter** assists in the filtration process to return clean air to the room.

To remove this filter when it becomes dirty, remove bag door and pull down top of filter.



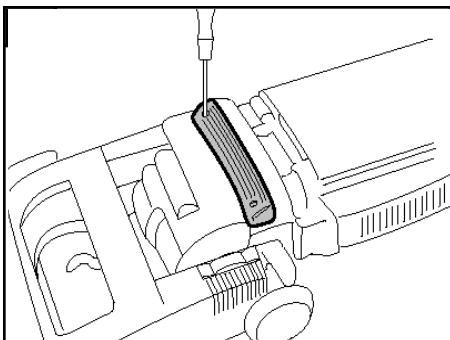
35 Lift out filter (B) and hand wash it in cold water with mild detergent.

Let filter air dry and reposition it on the side of cleaner. Make sure green colored side of filter faces outward.

Reposition bag door.

Should you want to replace this filter, ask for HOOVER part **No. 38766008**.

Do not operate cleaner without either the secondary or final filter in place.



The headlight (some models only)

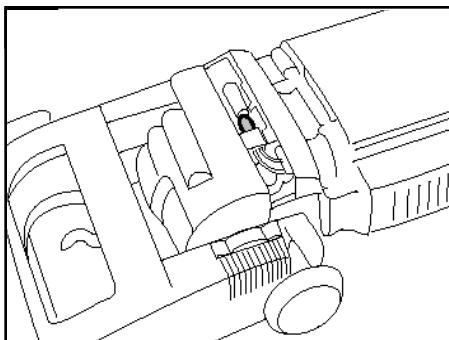
What to buy

This cleaner uses a 12 volt, wedge base type 912 bulb, Hoover part **No. 27313-101**.

How to replace

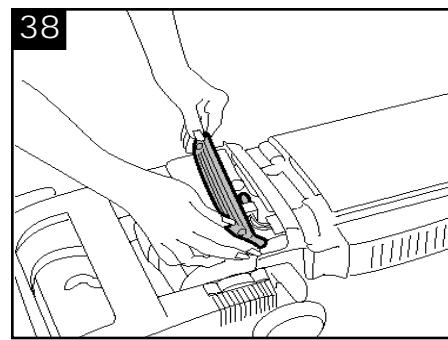
Disconnect cleaner from electrical outlet.

36 Using a screwdriver, remove the two screws as shown and lift off lens.



37 Pull old bulb straight out of socket. Push new bulb straight into socket until locked in place.

Excessive force is not required.



38 Reposition lens and secure with the two screws.

The belt

The belt on your Hoover cleaner causes the agitator to rotate and is important for the effective operation of the cleaner. The belt is located under the bottom plate of the cleaner and should be checked from time to time to be sure it is in good condition.

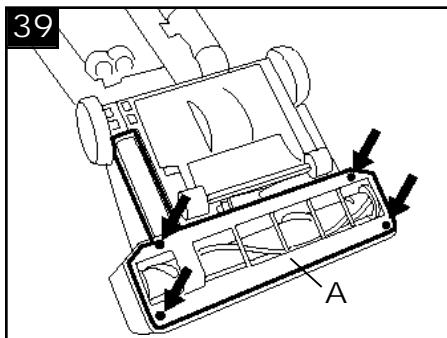
When to replace

Disconnect cleaner from electrical outlet.

To check belt, remove bottom plate as shown in "How to replace." Replace belt if it is stretched, cut or broken.

What to buy

To assure effective operation, use only genuine HOOVER belts with your cleaner. When purchasing a new belt, ask for HOOVER part **No. 38528-033**.

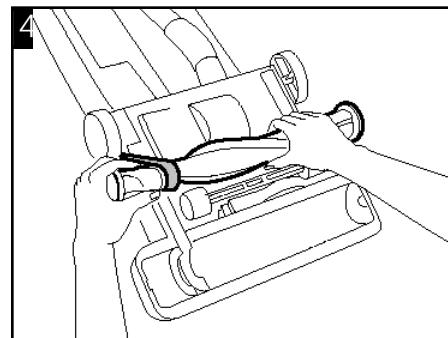


How to replace

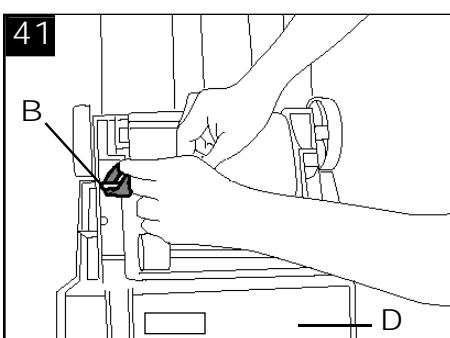
Disconnect cleaner from electrical outlet.

Place handle in low position and turn cleaner over so bottom side is up.

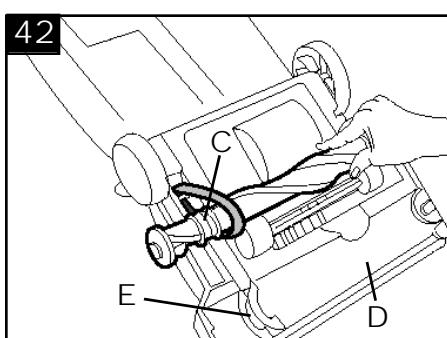
39 Remove the 4 screws as shown with a Phillips screw driver. Lift off bottom plate (A).



40 Remove agitator and used belt. Discard used belt.

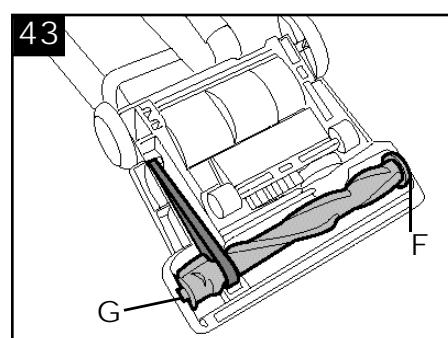


41 With lettering on outside of belt and positioned as shown in box on (D), slide new belt over motor pulley (B).



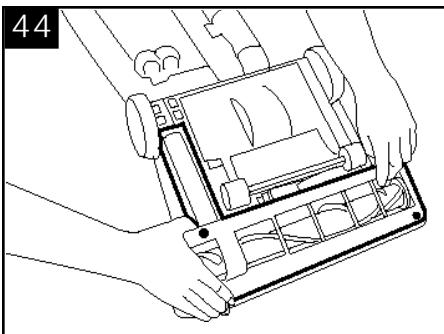
42 Insert agitator through belt and place belt in belt guide (C) on agitator.

Should the agitator shield (D) become dislodged while replacing the belt or the agitator, reposition it as shown noting the placement of its belt guide (E).



43 Grasp agitator firmly and fit it into position by first sliding end opposite the belt into the rectangular slot (F) on side of cleaner.

Pull other side of agitator (G) into place. Turn agitator making sure belt is not pinched between agitator and agitator shield.



44 Reposition bottom plate and 4 Phillips head screws. Tighten screws securely.

The edge groomers

When to replace

The edge groomers, located on both sides of the nozzle, should be replaced when they no longer extend past the surface of the bottom plate.

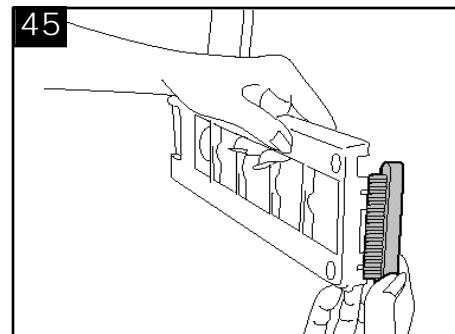
What to buy

When purchasing edge groomers, ask for HOOVER part **No. 39511004**.

How to replace

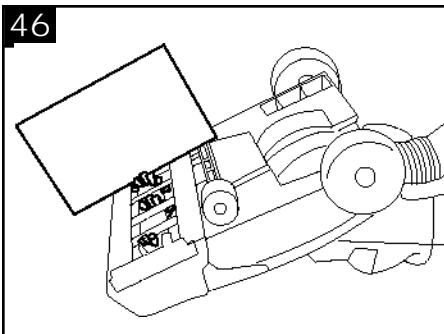
Disconnect cleaner from electrical outlet.

Remove bottom plate as described in "The belt" section (Fig. 39).



45 Lift off both old edge groomers and slide new edge groomers into position as shown.

Reposition bottom plate and secure with 4 Phillips head screws.



The agitator brush roll

When to replace

46 When agitator brushes are worn, the agitator should be replaced. To check condition of brushes, move edge of a card across bottom plate while turning agitator. To maintain cleaning effectiveness, replace agitator if brushes do not touch card.

What to buy

Your cleaner requires either a 13" or 15" agitator. When purchasing a new agitator, ask for one of the following:

13" - HOOVER part **No. 48414057**
15" - HOOVER part **No. 48414017**

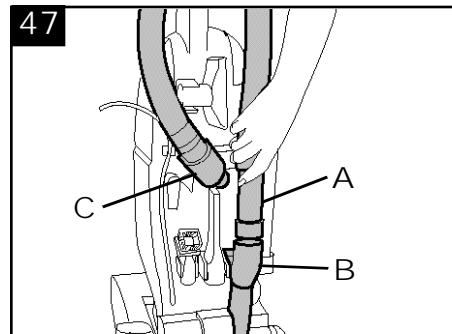
How to replace

Disconnect cleaner from electrical outlet.

Remove bottom plate, belt and agitator following directions in "The belt" section beginning with Fig. 39.

Discard old agitator.

Continue following the directions in "The belt" section to reposition belt, new agitator and bottom plate.



Clearing blockages

Disconnect cleaner from electrical outlet.

Low suction or pick up may be due to a blockage in the system. Refer to the following steps to check for blockages **continuing with each step until the blockage is found**:

1. Check fullness of filter bag; change if needed.

47 2. Plug cleaner in and turn ON. Check for suction at end of hose (A).

a. If there is **suction**, continue with step 3.

b. If there is **no suction**, check for blockage in hose and dirt tube as follows:

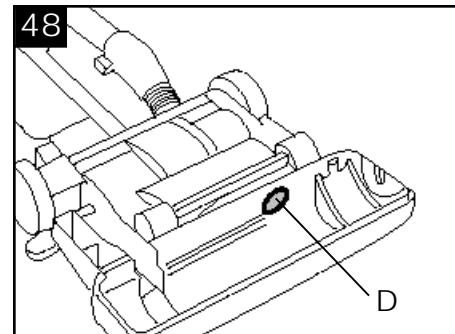
1) Disconnect hose from dirt duct (C) by reversing procedure for "Attach hose" on p. 3, Fig. 8 and 9.

2) Clear out hose.

3) Look into (C) and remove blockage.

3. Check connection at hose tube (B); remove any blockage.

4. Turn cleaner OFF and unplug.



5. Remove bottom plate, belt and agitator (see "The belt" section).

48 6. Look into opening (D) for blockages and remove.

6. Remove agitator shield (see Fig. 42) and remove any loose debris which may have accumulated under it.

Thermal protector

An internal thermal protector has been designed into your cleaner to protect it from overheating.

When the thermal protector activates, the cleaner will stop running. If this happens, proceed as follows:

1. Turn the cleaner OFF and disconnect it from the electrical outlet.

2. Check secondary and final filters for dirt accumulation.

3. Refer to "Clearing blockages" section.

4. When cleaner is unplugged and motor cools for 30 minutes, the thermal protector automatically resets and cleaning may continue.

If the thermal protector continues to activate after following the above steps, your cleaner may need servicing (see "Service" section).

If you have a problem

If a minor problem occurs, it usually can be solved quite easily when the cause is found by using the checklist below.

Problem: Cleaner won't run

Possible Cause

Possible Solution

- Not firmly plugged in
- Plug unit in firmly
- No voltage in wall plug
- Check fuse or breaker
- Blown fuse or tripped breaker
- Replace fuse or reset breaker
- Thermal protector activated
- Allow cleaner to cool for 30 minutes (this will reset the thermal protector)

Problem: Cleaner / tools won't pick up

Possible Cause

Possible Solution

- Broken or worn belt
- Replace belt
- Agitator brush roll worn
- Replace brush roll
- Filter bag full
- Change filter bag
- Incorrect carpet height setting
- Move nozzle control knob to lower setting
- Blockage in air flow passage
- Clear blockage

Problem: Cleaner hard to push

Possible Cause

Possible Solution

- Incorrect carpet height setting
- Move nozzle control knob to a higher setting

Lubrication

The motor is equipped with bearings that contain sufficient lubrication for the life of the motor. The addition of lubricant could cause damage. **Therefore, do not add lubricant to motor bearings.**

The agitator is equipped with two ball bearings that should be lubricated periodically by a Hoover Factory Service Center or an Authorized Hoover Warranty Service Dealer (Depot).

Service

To obtain approved HOOVER service and genuine HOOVER parts, locate the nearest **Hoover Factory Service Center or Authorized Hoover Warranty Service Dealer (Depot)** by:

- checking the Yellow Pages under "Vacuum Cleaners - Household" OR
- checking the list of Factory Service Centers provided with this cleaner OR -
- calling 1-800-944-9200 for an automated referral of authorized service outlet locations (U.S. only)

Do not send your cleaner to The Hoover Company in North Canton for service, this will only result in delay.

If further assistance is needed, contact The Hoover Company Consumer Response Center, North Canton, Ohio 44720 Phone: 330-499-9499.

In Canada, contact Hoover Canada, Burlington, Ontario L7R 4A8, Phone: 1-800-263-6376.

Always identify your cleaner by the **complete** model number when requesting information or ordering parts. (The model number appears on the bottom of the cleaner.)

Full One Year

Warranty

(Domestic Use)

Your HOOVER® appliance is warranted in normal household use, in accordance with the Owner's Manual against original defects in material and workmanship for a period of one full year from date of purchase. This warranty provides, at no cost to you, all labor and parts to place this appliance in correct operating condition during the warranted period. This warranty applies when the appliance is purchased in the United States including its territories and possessions, or in Canada or from a U. S. Military Exchange. Appliances purchased elsewhere are covered by a limited one year warranty which covers the cost of parts only. This warranty does not apply if the appliance is used in a commercial or rental application.

Warranty service can only be obtained by presenting the appliance to one of the following authorized warranty service outlets. Proof of purchase will be required before service is rendered.

1. Hoover Factory Service Centers.
2. Hoover Authorized Warranty Service Dealers (Depots).

This warranty does not cover pick up, delivery, or house calls; however, if you mail your appliance to a Hoover Factory Service Center for warranty service, transportation will be paid one way.

While this warranty gives you specific legal rights, you may also have other rights which vary from state to state.

If further assistance is needed, or if there are questions concerning this warranty or the availability of warranty service outlets, write or phone the **Consumer Response Center, The Hoover Company, 101 East Maple St., North Canton, Ohio 44720. Phone 1-330-499-9499.**

For an automated referral of authorized service outlets in the U.S.A., phone 1-800-944-9200.

In Canada, contact **Hoover Canada, Burlington, Ontario L7R 4A8, 1-800-263-6376.**

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